

30149
S/608/61/000/000/004/007
B143/B102

Effect of gamma rays on...

the formation of a film on the surface whose reflection coefficient is similar to that of monoxide-coated (etched) germanium. This results in the occurrence of the characteristic negative photocurrent. Thus, the strong change of the diode characteristics is not only due to inhomogeneities of the crystal lattice but also to the conversion of the dioxide coating into monoxide. Since surface electrons are transferred to the monoxide coating, it is assumed that it is negatively charged by applying a voltage in the blocked direction. This results in the formation of holes in the surface-near layer that provide a channel for excess conductivity. Light absorption transmits the electrons from the acceptor levels to the conduction band of the coating, and from there, overcoming a potential barrier, to the volume of the germanium. The oxide coating is positively charged due to accumulation of bound holes, which reduces their concentration in the channel and, subsequently, the reverse current. This model permitted to find empirical formulas for the excess reverse current and for the photocurrent in a germanium diode. The transient characteristics of the diode were computed, experimentally verified, and graphically compared. They were found to agree fairly well. After applying a voltage, the reverse current increases, whereas it decreases

Card 2/3

Effect of gamma rays on...

30149
S/608/61/000/000/004/007
B143/B102

when the light is turned on. There are 2 figures, 3 tables, and 3 references: 1 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: Ellis S. Journ. Appl. Phys., 28, No. 11, 1262, 1957; Brattain W., Bardeen J. Bell. Syst., Techn. J., 32, 1, pp. 1 - 41, 1953.

✓

Card 3/3

BLINKOVA, L.A.; BORISOVA, L.N.

Production of phage-resistant cultures of *Actinomyces aureofaciens*
under the action of mutagens, specific phages and their combinations.
Nauch. dokl. vys. shkoly; biol. nauki no.1:167-170 '64.

(MIRA 17:4)

1. Rekomendovana kafedroy nizshikh rasteniy Moskovskogo
gosudarstvennogo universiteta im. M.V.Lomonosova.

BLINKOVA, L.F.

The innervation of the gas gland of the airbladder of some
fishes. Vest. Len. un. 11 no.21:72-78 '56. (MLRA 10:2)

(AIR BLADDER (IN FISHES)--INNERVATION)

SHKVARIKOV, V.A.; BLINKOVA, L.M., inzh.

Ways of reducing the cost of urban construction. Izv. ASIA 4
no.2:3-11 '62. (MIRA 15:9)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury
SSSR (for Shkvarikov).
(City planning industry—Costs)

BLINKOVA, M., kand. sel'skokhoz. nauk

Valuable contribution of Soviet specialists. NT0 5 no.11:49-51
N '63. (MIRA 16:12)

BLINKOVA, M .V.

Fertilizers and Manures

Fall care of perennial grasses and fields designated for grass sowing, Korm. baza 2
No. 8, 1951

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified

BLINKOVA, M.V.

Broader introduction of summer sowing of grasses
Korm. baza 3 no. 4, 1952

BLINKOVA, M.V., kandidat sel'skokhozyaystvennykh nauk.

At the All-Union Conference on the Production of Hybrid Seed Corn.
Zemledelie 4 no.6:125-128 Je '56. (MLRA 9:8)
(Corn (Maize)--Congresses)

BUDYUK, V.P.; YEFIMOV, A.L.; BLINKOVA, M.V., kand. sel'skokhozyaystvennykh nauk, starshiy agronom; ~~SEKHONOVSKIY~~, A.A., red.; MOROZOV, D.N., red.; PAVLOVA, M.M., tekhn. red.; FIDOTOVA, A.F., tekhn. red.

[Corn in 1955] Kukuruza v 1955 godu. Moskva, Gos. izd-vo sel'khoz. lit-ry. No.1. [Non-Chernozem region] Nechernozemnaya zona. 1956. 366 p. No.2. [Districts of the Central Black Earth region and the Volga region] Raiony tsentral'no-chernozemnoi zony i Povolzh'ia. 1956. 263 p. (MIRA 11:9)

1. Glavnoye upravleniye sel'skokhozyaystvennoy nauki Ministerstva sel'skogo khozyaystva SSSR. (for Blinkova).
(Corn (Maize))

BLINKOVA, M.V.

HAZARENKO, K.S., redaktor; KHYLOV, G.A., redaktor; KONYAYEV, E.I., redaktor;
TOMASHEVICH, Z.P., redaktor; BLINKOVA, M.V., redaktor; TRISVIATSKIY,
L. A., redaktor; MARAKHTANOV, K.P., redaktor; KAVUN, P.K., redaktor;
BARANOV, M.F., redaktor; SMELYANSKIY, V.A., redaktor; VIDONYAK, A.P.,
tekhnicheskii redaktor; KUCHABSKIY, Yu.K., tekhnicheskii redaktor

[All-Union Conference on the Production of Hybrid Seed Corn, held in
Dnepropetrovsk March 28-30, 1956] Vsesoiuznoe soveshchanie po proizvod-
stvu gibridnykh semian kukuruzy v Dnepropetrovske, 28-30 marta 1956
goda. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 480 p. (MIRA 10:1)

1. Vsesoyuznoye soveshchaniye po proizvodstvu gibridnykh semyan
kukuruzy. Dnepropetrovsk, 1956.
(Corn (Maize))

BLINKOVA, M.V., kand.sel'skokhoz.nauk; KAVUN, P.K., red.; GUREVICH, M.M.,
tekhn.red.

[Corn; a collection of articles on plant breeding, cultivation
practices, and mechanization] Kukuruza; sbornik statei po
selektzii, agrotekhnike, mekhanizatsii. Sost. M.V.Blinkova.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 396 p. (MIRA 13:5)
(Corn (Maize))

SOLOV'YEV, B.F.; otv.red.; BLINKOVA, M.V., otv.red.; BLOKHINA, V.V.,
red.; PECHENKIN, I.V., tekhn.red.

[Abridged transactions of the All-Union Conference on Corn
Growing, Krasnodar 1960] Sokrashchennyye materialy Vsesoyuznogo
soveshchaniya po proizvodstvu kukuruzy. Moskva, Izd-vo M-va
sel'.khoz.SSSR, 1961. 527 p. (MIRA 14:4)

1. Vsesoyuznoye soveshchaniye po proizvodstvu kukuruzy, Krasnodar,
1960. 2. Glavnyy agronom po kukuruze Ministerstva sel'skogo
khozyaystva SSSR (for Solov'yev).
(Corn (Maize))

BLINKOVA, M.V., kand. sel'khoz. nauk; ADEL'FINSKAYA, Ye.N., red.;
ZELENETSKAYA, L.V., red.; FEDOROVA, Yu.A., red.; LEVINA, L.G.,
tekhn. red.; SAYTANIDI, L.D., tekhn. red.

[Corn in the fields of the Russian Federation] Kukuruz na poliakh
Rossiiskoi Federatsii. Moskva, Izd-vo M-va sel'khoz. RSFSR, 19611.
381 p. (MIRA 15:1)

(Corn (Maize))

PETROV, K.D.; BLINKOVA, O.P.

Reaction of 1,3-dichloro-2-butene with amino alcohols. Zhur.ob.
khim. 33 no.4:1285-1287 Ap '63. (MIRA 16:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut plasticheskikh
mass, Moskva.

(Butene)

(Alcohols)

PETROV, K.D.; BLINKOVA, O.P.

Synthesis and certain conversions of N- (Gamma-chlorocrotyl)
amino alcohols. Zhur. ob. khim. 34 no.12:3903-3905 D '64
(MIRA 18:1)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass.

BLINKOVA, T.M.; BYSTRIKOV, A.P.; KAGAN, Ye.S.; TUZOVA, G.Ya.

High-frequency hardening of spindle ends of machine tools. Stan.1
instr. 33 no.7:33 JI '62. (MIRA 15:7)
(Steel--Hardening)

2
PANCHENKO, Ye.V.; PANSHINA, M.M.; KEKALOV, I.B.; BLINKOVA, T.M.; KRYLOVA, L.I.;
ZHDANOV, V.V.; ZHETVEN, N.P.; LIVSHITS, B.G.

Residual stresses in billets made of A40G steel. Stan. i instr.
36 no.8:27-29 Ag :65. (MIRA 18:9)

BLINKOVA, T.P.; BOGDANOV, O.V.

Development of autonomic reactions during the embryogenesis of chicks. Biul. eksp. biol. i med. 56 no.12:32-35 D '62.

(MIRA 17:11)

1. Iz laboratorii sravnitel'noy fiziologii i patologii (zav. - deystvitel'nyy chlen AMN SSSR D.A. Biryukov) Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

BLINKOVA, T.P.; BOGDANOV, O.V.

Development of frequency characteristics of heart activity in
chickens as a sign of the biological adaptation in embryogeny.

Dokl. AN SSSR 149 no.4:988-990 Ap '63.

(MIRA 16:3)

1. Institut eksperimental'noy meditsiny AMN SSSR. Predstavleno
akademikom V.N.Chernigovskim.

(HEART BEAT) (ADAPTATION (BIOLOGY)) (EMBRYOLOGY--BIRDS)

Country : USSR
 CATEGORY : Farm Animals. Silkworm
 ASS. JOUR. : RZBiol., No. 13 1958, No. 59662
 AUTHOR : Akulova, R.Ye.; Blinkova, V.I.
 INST. : Stavropol Agricultural Institute
 TITLE : The Study of the Rate of Growth of the Silk Gland in the Mulberry Feeding Silkworm.
 ORIG. PUB. : Sb.nauchno-issled.rabot stud. Stavropol'sk. s.-kh.in-ta, 1956, vyp.4, 58-60
 ABSTRACT : The gland length in the larvae of stage V increases from the first through ninth (last) day: in the PS-5 breed from 9.4 to 33 cm.; and in the B-1 breed from 14.7 to 34.1 cm.; the gland weight increases from 60 to 1,205 mg. and from 48 to 1,316 mg., respectively. The increase of gland length of the larvae of stage V in the PS-5 breed is more intensive during the first four days. The growth of silk gland in the B-1 breed is more uni-

CARD:

1/2

COUNTRY : POLAND
CATEGORY : Physical Chemistry. Kinetics. Combustion.
Explosions. Topochemistry. Catalysis
ABS. JOUR. : RZhKhim., No 17, 1959, No. 60088
AUTHOR : Krausie, A., Slinkowna, A.
INSTITUTE : -
TITLE : Inactive Divalent Iron
ORIG. PUB. : Roczn. chem., 1958, 32, No 5, 1045-1050
ABSTRACT : It was established that synthetic magnetite, regardless of its Fe(2+) content, is inactive in certain oxidation-reduction systems. The electronic transition, required for catalytic reactions, can be brought about only by the introduction of appropriate impurities.

Card:

1/1

B -15

BLINNICHEV, N.M., assistant

Treatment using the ligature method on rectal fistulae located
outwards from the sphincter. Elem.prokt. no.2:118-125 '60.
(MIRA 14:11)

(FISTULA, ANAL)

(SPHINCTER ANI)

BLINNICHEV, N.M., assistant

Treatment of unusual rectal fistulae by making an artificial
anus. Elem. prokt. no. 2:129-133 '60. (MIRA 14:11)
(FISTULA, ANAL) (ANUS--SURGERY)

BLINNICHEV, N.M., assistant

Actinomyotic paraproctitis. Elem.prokt. no.2:176-180 '60.

(MIRA 14:11)

(ACTINOMYCOSIS)

(RECTUM--INFLAMMATION)

1. 11956-65 ENT(m)/EMP(w)/BMA(d)/EMP(s)/EMP(k)/EMP(b) Pt-1 AEDC(b)/
ASD(f)-2/ASD(p)-3 EM/JD/HW/MLK

ACCESSION NR: AT0246185

S/0000/44/000/00

AUTHOR: Bilonik, B. S., Leykin, A. S.

TITLE: ...

SOURCE: ...
...
...
...

TOPIC TAGS: turbine blade, turbine blade design, blade stress, stress

ABSTRACT: The authors note that in order to increase the capacity of gas turbines, there must be a considerable lowering of the level of vibrational stress in the engine parts, particularly in the blades. In the case of the blades of the turbine, this is achieved primarily through the use of a method of determining the negative allowance between the blades and the flanges. A method is outlined for determining the negative allowance between the blades and the flanges under operational conditions. A formula is given for the estimation of the stresses in the flanges. A formula is given for the estimation of the reduction of negative allowance between blades and flanges.

Card 1/3

L 14956-65

ACCESSION No. AT4046185

ENCLOSURE 01

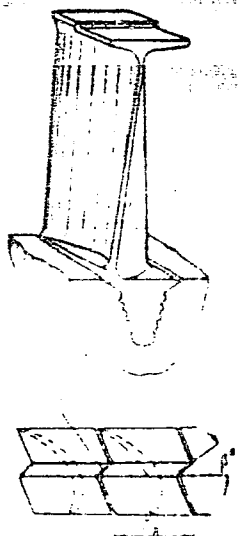


Figure 1. Working turbine blade
with banded peripheral flanges.
1 - coupled banded flanges of
adjacent blade.

Card 3/3

BLINNIK, L.B.; SEMENOV, V.N.

Using high-strength cast iron in the manufacture of machine tools.

Stand. instr. 27 no.12:25-27 D '56.

(MLRA 10:2)

(Machine tools--Construction) (Cast iron)

BLIENIK, L.B.; SEMENOV, V.N.

Use of high-grade cast iron in machine-tool manufacture. Stan.1
instr. 29 no.5:41-42 My '58. (MIRA 11:7)
(Cast iron) (Machine-tool industry)

BLINNIK, Lazar' Borisovich; KOZLOV, Vladimir Vasil'yevich; TUCHINSKIY,
Naum Vladimirovich; RAGAZINA, M.F., inzh., ved. red.; SAMOKHOTSKIY,
A.I., inzh., red.; SOROKINA, T.M., tekhn. red.

[Efficient conditions for the aging of cast iron] Ratsional'nye re-
zhimy starenia chugunnykh otlivok. Moskva, Filial Vses. in-ta
nauchn.i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-
tekhnicheskii i proizvodstvennyi opyt. Tema 3. No.M-58-112/5)
(MIRA 16:2)

(Cast iron--Hardening)

BLINNIK, S. I.; BIDERMAN, V. L.

Technology

Prochnost'v mashinostroenii. Sbornik statei (Sturdiness in machine building).
Pod red. S.D. Ponomareva. Moskva, Mashgiz, 1951. 330 p.

9. Monthly List of Russian Accessions, Library of Congress, ¹⁹⁵² November ~~1953~~ 1953, Unclassified.

BLINNIK, S.I.

Strength calculations of hydraulic press posts. [Trudy] MVTU no.31:
178-205 '55. (MIRA 8:5)
(Hydraulic presses)

BLINNIK, S.I., kandidat tekhnicheskikh nauk, dotsent.

Calculation of a multicolumn hydraulic press. [Trudy] MVTU no.46:
63-70 '55. (Hydraulic presses) (MIRA 9:4)

BLINNIE, S.I., kand.tekhn.nauk, dots.

Problems in tightening columns of hydraulic presses. [Trudy]
MVTU no.79:11-16 '57. (MIRA 11:1)
(Hydraulic presses)

~~ZIMIN, A.I.~~ BLINNIK, S.I.

PHASE I BOOK EXPLOITATION 252

Moscow. Vyssheye tekhnicheskoye uchilishche

Mashiny i tekhnologiya obrabotki metallov davleniyem; sbornik statey (Machines and Technology for Pressure Working of Metals; Collection of Articles) Moscow, Mashgiz, 1957. 127 p. (Its: [Trudy] vyp. 79) 5,000 copies printed.

Ed.: Zimin, A.I.; Ed. of Publishing House: Mezhova, V.A.; Tech. Ed.: Matveyeva, Ye.N; Chief Ed. of Literature on Heavy Machine Building [Mashgiz]: Golovin, S.Ya.

PURPOSE: This collection of articles is intended for workers in scientific research institutes and for others connected with forging and stamping.

COVERAGE: This book contains scientific transactions of the Moskovskoye vyssheye tekhnicheskoye uchilishche im. N.E. Baumana (Moscow Higher Technical School). Theoretical and experimental studies of problems in designing forging machines and in the technology of pressure working of metals are presented. The transactions

Card 1/5

Machines and Technology for Pressure Working of Metals (Cont.) 252

include studies carried out by the Department of Machines and Technology of Pressure Working of Metals in 1955. For additional coverage see Table of Contents.

TABLE OF

CONTENTS: Foreword

3

Zimin, A.I., Professor. Hydraulic Drive Power-Screw
Forge Press

5

This article describes development of a new type
press forging machine based on the screw motion
principle and powered by a hydraulic drive. There
are 4 Soviet references.

Blinnik, S.I. Docent, Candidate of Technical Sciences.
On the Problem of Bridging Hydraulic Press Columns

11

This article describes a design for hydraulic press
tie beams. There are 4 Soviet references.

Ovchinnikov, A.G., Candidate of Technical Sciences.
Use of Pressure Indicators for Testing Steam Hammers

17

There are 4 Soviet references.

Card 2/5

Machines and Technology for Pressure Working of Metals (Cont.) 252

Belyayev, S.N., Engineer. Production of Thin-Sheet
Wedge-Shaped Individual Blanks by the Rolling Method 22

Zimin, A.I. Professor. Mechanics of Plastically
Deformed Bodies. Relative Elongation in Plastic Tension 38
This is a continuation of previously published studies
on the mechanics of plastically deformed bodies by the
Department of Machines and Technology of Pressure Working
of Metals. There is 1 Soviet reference.

Popov, Ye.A., Candidate of Technical Sciences. Analysis of
the Blank Flaring Operation 42

There are 4 Soviet references.

Bugrova, A.A., Candidate of Technical Sciences. Analysis of
Factors Affecting the Height of the Rim During Flanging of
Noncircular Holes 62

There are 2 Soviet references.

Matveyev, A.D., Engineer. Theoretical Analysis of Sheet Form-
ing Using a Cylindrical Punch 75

There are 4 Soviet references.

Card 3/5

. Machines and Technology for Pressure Working of Metals (Cont.) 252

Matveyev, A.D., Engineer. Theoretical Analysis of Hydraulic Forming in a Round Die 81

There are 8 references, of which 6 are Soviet and 2 English.

Averkiyev, Yu.A., Candidate of Technical Sciences. Methods for Calculation of Hardening in the Analysis of Form-Changing Operations During Cold Stamping 91

There are 3 Soviet references.

Semenov, Ye.I., Docent, Candidate of Technical Sciences. On the Problem of Setting up a Plastic Deformation Experiment Using a Lead Model 99

There are 5 Soviet references.

Card 4/5

Machines and Technology for Pressure Working of Metals (Cont.) 252

Pogodin-Alekseyev, G.I., Professor, Doctor of Technical Sciences, and Zhuravlev, S.V., Candidate of Technical Sciences. Effect of the Deformation Rate on the Thickness of the Hardened Layer During Punch-Blanking

103

There are 10 references, of which 6 are Soviet and 4 are in English.

Zimin, A.I., Professor. Information Sheets on the Theory of Plastic Deformations

110

AVAILABLE: Library of Congress

VK/lbb

4 June 1958

Card 5/5

137-58-6-12255

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 155 (USSR)

AUTHOR: Blinnik, S.I.

TITLE: Hydraulic Press Column Tie Beams (K voprosu o zatyazhke kolonn gidravlicheskogo pressa)

PERIODICAL: V sb.: Mashiny i tekhnol. obrabotki metallov davleniyem (MVTU, 79). Moscow, Mashgiz, 1957, pp 11-16

ABSTRACT: The dimensions of hydraulic press column tie beams required to provide rigid connection of the columns to the architrave and the table are determined by calculation.

M.Ts.

1. Hydraulic presses--Installation 2. Mathematics--Applications

Card 1/1

BLINNIK, S.I.

14(10)

p.3

PHASE I BOOK EXPLOITATION

SOV/1377

Raschety na prochnost'; teoreticheskiye i eksperimental'nyye issledovaniya prochnosti mashinostroitel'nykh konstruksiy. Sbornik statey, vyp. 3. (Calculations for Strength; Theoretical and Experimental Research on the Strength of Elements Used in Machine Construction. Collection of Articles, Vol. 3) Moscow, Mashgiz, 1958. 355 p. 4,000 copies printed.

Ed.: Tarabasov, N.D., Doctor of Technical Sciences; Editorial Board: Tikhomirov, Ye.N., Honored Worker of the RSFSR in Science and Technology, Professor (Chairman); Serensen, S.V., Active Member, Ukrainian SSR Academy of Sciences, Doctor of Technical Sciences, Professor; Glushkov, G.S., Doctor of Technical Sciences, Professor; Ponomarev, S.D., Doctor of Technical Sciences, Professor; Sokolov, S.N., Doctor of Technical Sciences, Professor; Tarabasov, N.D., Doctor of Technical Sciences, Professor; and Makushin, V.M., Candidate of Technical Sciences, Docent (Secretary); Tech. Ed.: Tikhonov, A.Ya.; Managing Ed. for Literature on General Technical and Transport Machine Building (Mashgiz): Ponomareva, K.A., Engineer.

Card 1/5

Calculations for Strength (Cont.)

SOV/1377

PURPOSE: This collection of articles is intended for engineers and designers working in the field of machine construction, for research fellows, and scientific workers.

COVERAGE: The collection is an inter-vuz publication of transactions concerning strength problems. It contains original reports on calculations for a number of structures used in machine building and their components. Considerations are given to calculations of the columns of hydraulic presses, the nonlinear theory of spiral springs, problems in the calculation of rubber components, theoretical and experimental investigations of circular plates of constant and variable stiffness, investigations of conical shells and of stressed assemblies of machine components. Calculations in the elasto-plastic domain are represented by an investigation of forced fits of discs and the creep of operating turbine blades. Problems of contact in the case of impact and the stability theory of elastic systems "in general terms" are considered. There are 114 references, 99 of which are Soviet, 9 English, 4 German, 1 French, 1 Polish.

Card 2/5

Calculations for Strength (Cont.)

SOV/1377

TABLE OF CONTENTS:

PART I. STRESS ANALYSIS AND RIGIDITY IN THE ELASTIC DOMAIN

<u>Blinnik, S.I.</u> , Candidate of Technical Sciences, Docent. General Method of Stress Analysis for Columns of Hydraulic Presses	3
Chernyshev, N.A., Candidate of Technical Sciences, Docent. Nonlinear Theory of Elastic Deformation of Cylindrical Spiral Springs	19
Biderman, V.L., Candidate of Technical Sciences. Problems in the Calculation of Rubber Components	40
Sokolov, S.N., Doctor of Technical Sciences, Professor. Stress Analysis of Circular and Annular Plates of Constant and Variable Stiffness	88
Protasov, G.Ye., Engineer. Experimental Investigation of Circular Plates Reinforced With a Stiffening Rib	122

Card 3/5

Calculations for Strength (Cont.)

SOV/1377

Ventskovskiy, B.K., Candidate of Technical Sciences. Bending of Annular and Circular Plates on a Generalized Elastic Basis With Simultaneous Action of Transverse and Radial Forces 133

Trapezin, I.I., Candidate of Technical Sciences, Docent. Ultimate Deformations of a Conical Shell With a Small Slope Angle, Loaded With a Uniform Hydrostatic Pressure 151

Nayman, M.I., Doctor of Technical Sciences, Professor. Buckling of a Circular Cylinder Having a Coaxial Polyhedral Cavity 170

Tarabasov, N.D., Doctor of Technical Sciences, Professor. Stressed Assemblies of Machine Components and Their Calculation 194

PART II. CALCULATIONS OF COMPONENTS IN THE ELASTO-PLASTIC DOMAIN

Popov, A.A., Doctor of Technical Sciences, Professor. Application of Orthogonal Foci to Plastic Bending 220

Card 4/5

Calculations for Strength (Cont.)

SOV/1377

Makhonina, T.M., Engineer. Analysis of Forced Fits of Discs Beyond the Elastic Limit

237

Malinin, N.N., Doctor of Technical Sciences, Docent. Analysis of the Creep of Operating Turbine Blades

252

PART III. DYNAMIC CALCULATIONS AND CALCULATIONS FOR STABILITY

Tikhomirov, Ye.N., Honored Scientific and Technical Worker of the Russian Socialist Federated Soviet Republic, Professor. Contact During Impact

287

Makushin, V.M., Docent. Values of the Critical Forces for Compressed Triple-span Beams of Constant Cross Section

295

Bolotin, V.V., Doctor of Technical Sciences, Professor. Nonlinear Theory of Elasticity and Stability "in General Terms" (v bol'shom)

310

AVAILABLE: Library of Congress

Card 5/5

IS/mas
4-13-59

BLINNICK, S. I.

24(0); 25(2) PHASE I BOOK EXPLOITATION SOV/2037

Moscow, Vsesoyuznoye tekhnicheskoye uchilishche imeni M.E. Bauman
Maschiny na prochnost' v mashinostroyeni; [Sbornik] Design for
Strength in Machine Building; Collection of Articles
Moscow, Mashtit, 1958. 244 p. (Series: Iti; [Trudy] 89)
3,300 copies printed.

Ed.: G.A. Nikolayev, Doctor of Technical Sciences, Professor, House:
Honored Worker in Science and Technology; Ed. of Publishing House:
M.P. Chernysheva; Tech. Ed.: B.I. Medvedev; Engineering Ed. for
Literature on Heavy Machine Building (Mashtit); S.F. Golovin,
Engineer.

PURPOSE: This collection of articles is intended for engineering staffs
in the machine-building industry and may be useful to scientific
workers and senior students of mechanical engineering vtuses.

COVERAGE: The articles cover the graphoanalytical method of
designing circular symmetrically loaded reinforced plates, methods
of designing rotating heated disks for turbine engines, bending,
and calculation of preloaded Belleville springs. Also discussed
are differential equations for deformation of rubber-cord shells
of rotation, the theory of flexure of rubber-cord hose, and
stability problems of elastic cylindrical shells. Results of
experimental investigations of strength and ductility of
constructional steels and other materials are presented. Several
articles are devoted to problems of vibrations in machinery.
There are 78 references; 71 Soviet, 4 German, 2 English, and
1 French.

Konyukho, Z.M., Candidate of Technical Sciences, Docent.
Construction of Stress-Strain Diagrams for Shear of Brittle
Materials Based on Results of Tension and Compression Tests
A method is described for obtaining stress-strain diagrams
for shear from stress-strain diagrams for tension and
compression of materials with different characteristics in
tension and compression. Results of experiments are compared
with theoretical conclusions. 197

Blinnik, S.I., Candidate of Technical Sciences, Docent.
Calculation of Forced Vibrations in a Four-column Press
A method for determining the fundamental natural frequency
of a four-column press allowing for elasticity of the
foundation is discussed. The formula derived can also be
used for cases of very rigid foundations by putting the
coefficient of soil compressibility equal to zero. 210

Kolesnikov, K.S., Candidate of Technical Sciences, Docent.
Deflections of Beams in the Case of Vibration of Their Supports
A method is presented for determining the deflection of
beams in the case of vibration of their supports. The
cross-section beams subjected to forced vibrations
arising from the periodic motion of supports. 226

Svetitskiy, V.A., Engineer. Determination of Basic Premises for
Forced Motion
The paper presents a method for checking whether the forced
motion analyzed is in accordance with the initial assumptions
used for the theoretical solution. The possibility of
deviation of existing conditions from initial assumptions
is discussed. 234

AVAILABLE: Library of Congress

00/247
8-25-59

Card 8/8

BLINNIK, S.I., dots., kand.tekhn.nauk

General method for designing columns of hydraulic presses. Rasch.
na prochn. no.3:3-18 '58. (MIRA 12:2)
(Hydraulic presses)

BLINNIK, S.I.

BLINNIK, S.I., kand. tekhn. nauk dots.

General method of designing hydraulic press columns with rigid
tables and architraves, Vest. mash. 38 no.3:13-16 Mr '58.
(Hydraulic presses)

(MIRA 11:2)

S/182/61/000/002/005/009
A161/A133

AUTHOR: Blinnik, S.I.

TITLE: Calculating stresses originating in press crosshead walls near the column fixing points

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 2, 1961, 23 - 25

TEXT: The strength and rigidity calculation of press crossheads is not sufficiently developed and only few empirical data are available. The present article deals with the strength of the crosshead walls at the spot where they butt against the bush. The subject is discussed in view of the TsBKM practice proving that cracks occur in the stretched spot of the crosshead walls near the bushes. The simplest design is considered, with symmetric position of columns in relation to the press cylinder. A force of $\frac{P}{4}$ acts on each bush (the stresses arising during the fitting are not considered) and only stresses in the crosshead walls near it are analyzed. The calculation diagram shows that a P_{1-8} force acts on each wall. The known problem of the theory of elasticity of a wedge under concentrated force applied to the apex is used to find the distribution law of stresses in the crosshead walls. A straight line (beam) (r) is trac-

Card 1/4

S/182/61/000/002/005/009
A161/A133

Calculating stresses ...

ed to some point (A) where stresses (σ_r) arise which can be determined according to A.M. Kats (Ref. 4: Teoriya uprugosti [The theory of elasticity], Gostekhizdat, 1956):

$$\sigma_r = -\frac{2P_1}{r} \left(\frac{\sin \gamma \sin \theta}{2\alpha - \sin 2\alpha} + \frac{\cos \gamma \cos \theta}{2\alpha + \sin 2\alpha} \right) \quad (1)$$

In the considered case, for a rectangular wedge, $\gamma = \alpha = 45^\circ$, and

$$\sigma_r = -\frac{P_1}{r} (2.5 \sin \theta + 0.55 \cos \theta) \quad (2)$$

Formula (2) applies to the compressed zone of the wedge. For the stretched zone the signs have to be reversed, i.e.:

$$\sigma_r = -\frac{P_1}{r} (2.5 \sin \theta - 0.55 \cos \theta). \quad (3)$$

The position of the neutral line will be found with equation (3) if we assume σ_r equal zero and solve the equation for θ_0 (where θ_0 is the angle taken counter-clockwise from the bisector to the neutral line. For a rectangular wedge $\theta_0 = 120^\circ 40'$. To calculate the stresses, P_1 in the formulas (2) and (3) must be replaced by $P_1 \frac{2}{8}$, and the wall thickness (δ) introduced into the denominator.

Card 2/4

s/182/61/000/002/005/009
A161/A133

Calculating stresses ...

The final form of the formulas (2) and (3) will be

$$\sigma_r = -\frac{P}{8\delta_r} (2.5 \sin \theta + 0.55 \cos \theta) \quad (2a)$$

$$\sigma_r = \frac{P}{8\delta_r} (2.5 \sin \theta - 0.55 \cos \theta) \quad (3a)$$

The θ value varies in the ranges

$$0 \leq \theta \leq 45^\circ.$$

The maximum stresses (σ_r) in the stretched zone have to be calculated with the formula (3a) at $\theta = 45^\circ$. Then

$$\sigma_r = 1.95 \frac{P}{r\delta}. \quad (4)$$

Distance (r) from the bush center (the assumed force application point) should be taken not less than half the bush diameter, and the crosshead wall thickness corresponding to this distance must be substituted into the formula (4). If a rib is used between the bush and the press cylinder, and it is placed symmetrically and has the same height as the crosshead - the $\frac{P}{4}$ force will be divided into three parts, and the stress in the crosshead walls will be 1.5 times lower. The wall thickness (δ) in the stretched zone is highest at $r = \frac{D}{2}$. At a given

Card 3/4

Calculating stresses ...

S/182/61/000/002/005/009
A161/A133

stress (σ_r) in the case of θ reducing to θ_0 and r increasing, as this is seen from formula (3a), the thickness (δ) will decrease gradually with the approach to the neutral line and the increasing distance from the wedge apex. This shows that crossheads ought to be designed with windows at (r) distance where stresses are considerably below the permissible one. But this problem cannot yet be solved, for in (r) distance close to the ribs connecting the crosshead walls mid with the cylinder, the stresses state in the walls will be different from the state assumed for the wedge. The strain measured in crosshead models shows that the suggested formulae are accurate within 10 - 15%. Thus it is possible to analyze the crosshead work at the bushes and to calculate the wall thickness. [Abstracter's note: Essentially full translation]. There are 6 figures and 4 Soviet-bloc references.

Card 4/4

BLINNIKOV, I.; BUDNIKOV, N.

Conference on prospecting methods. Geol. nefiti i gaza 5 no. 5:61-64
My '61. (MIRA 14:4)

(Prospecting)

BLINNIKOV, I.A.

Major deposit of natural gas. Priroda 48 no.6:49-50 Je '59.
(MIRA 12:5)

1.Ministerstvo geologii i okhrany neдр SSSR, Moskva.
(Balakleya District--Gas, Natural)

BLINNIKOV, Ivan Andreyevich; NEMANOVA, G.F., red. izd-va; BYKOVA,
V.V., tekhn. red.

[Oil and gas and how to search for them] Neft' i gaz i kak ikh
iskat'. Izd.2. Moskva, Gosgeoltekhizdat, 1962. 25 p.

(MIRA 15:11)

(Petroleum geology)

AVROV, V.Ya.; BLINNIKOV, I.A.; BUYALOV, N.I.; VASIL'YEV, V.G.; ZUBOV, I.P.;
DIKENSHTYIN, G.Kh.; KALININ, N.A.; MAKSIMOV, S.P.; SIMAKOV, S.N.

Reconnaissance map of oil and gas reserves of the U.S.S.R. Geol.
nefti i gaza 7 no.6:1-8 Je '63. (MIRA 16:9)

1. Gosudarstvennyy geologicheskyy komitet SSSR; Vsesoyuznyy na-
uchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut,
Moskva; Vsesoyuznyy nauchno-issledovatel'skiy institut prirod-
nykh gazov i Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy ge-
ologorazvedochnyy institut.

AVROV, V.Ya.; BLINNIKOV, I.A.; BROD, I.O.[deceased]; BUYALOV, N.I.;
VASIL'YEV, V.G.; DMITRIYEV, Ye.Ya.; YELIN, N.D.; YEROFEYEV,
N.S.; ZUBOV, I.P.; KALININ, N.A.; KUDRYASHOVA, N.M.; MAKSIMOV,
S.P.; L'VOV, M.S.; MIRCHINK, M.F.; OVCHINNIKOVA, T.G.;
SIMAKOV, S.N.; TROFIMUK, A.A.; TKHOSTOV, B.A.; FEDOTOVA, M.I.,
ved. red.

[Predicting gas potential of the U.S.S.R.] Prognoz gazonosno-
sti SSSR. Leningrad, Gostoptekhnizdat, 1963. 175 p.
(MIRA 17:4)

TKALICH, S.M.; MINEYEV, I.K., glavnyy red.; RYABENKO, V.Ye., zam. glavnogo red.; TUMOL'SKIY, L.M., zam. glavnogo red.; KUR'YANOV, F.K., otv. zav vypusk; BASSOLITSYN, Ye.P., red.; BLINNIKOV, I.I., red.; DAUKSHO, Yu.Ye., red.; DZINKAS, Yu.K., red.; ZHARKOV, M.A., red.; ZAVALISHIN, M.A., red.; MANDEL'BAUM, M.M., red.; MATS, V.D., red.; MALETOV, P.I. red.; NOMOKONOVA, N., red.; NOSEK, A.V., red.; SERD, A.I., red.; SEMENYUK, V.D., red.; TAYEVSKIY, V.M., red.; TIKHONOV, V.L., red.; TROFIMUK, I.N., red.; TOMILOVSKAYA, M.V., red.; FOMIN, N.I., red.; SHAMES, P.I., red.; TROSHANIN, Ye.I., tekhn. red.

[Biogeochemical anomalies and their interpretation.] Biogeo-
khimicheskie anomalii i ikh interpretatsiya. Irkutsk, 1961.
39 p. (Materialy po geologii i poleznym iskopaemykh Irkutskoi
oblasti no.3). (MIRA 17:1)

BELYAYEV, A.P., red.; BESSOLITSYN, Ye.P., red.; BLINNIKOV, I.I., red.; DZINKAS, Yu.K., red.; ZHARKOV, M.A., red.; KOROVIN, A.V., red.; KUR'YANOV, F.K., red.; MANDEL'BAUM, M.M., red.; NALETOV, P.I., red.; RYABENKO, V.Ye., red.; SAVINSKIY, K.A., red.; SERD, A.I., red.; SEMENYUK, V.D., red.; TUMOL'SKIY, L.M., red.; TIKHONOV, V.L., red.; TROFIMUK, P.I., red.; TOMILOVSKAYA, M.V., red.; FOMIN, N.I., red.; BEKMAN, Yu.K., ved. red.

[Recent data on the geology, petroleum potentials, and mineral resources of Irkutsk Province] Novye dannye po geologii, neftenosnosti i poleznym iskopaemym Irkutskoi oblasti. Moskva, Nedra, 1964. 278 p. (MIRA 17:8)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye geologii i okhrany neдр. Irkutskoye geologicheskoye upravleniye.

Distr. 4E20/4E21

BLINNIKOV, K.S.

Latent viruses in *Macacus rhesus* monkeys. Vop. virus. 5 no. 6:701-704 N-D '60. (MIRA 14:4)

1. Moskovskiy institut virusnykh preparatov.
(VIRUSES)

BLINNIKOV, K.S.

Specific prophylaxis of an experimental infection caused by
virus B in rabbits. Trudy Mosk. nauch.-issl. inst. virus.
prep. 2:45-48 '61. (MIRA 17:1)

BLINNIKOV, K.S.

Isolation of a new virus strain (M-X) from the brain of white
mice. Trudy Mosk. nauch.-issl. inst. virus. prep. 2:166-168
'61. (MIRA 17:1)

VOLKOV, Genrikh Nikolayevich; BLINNIKOV, L., red.

[Age of robots of age of man? Sociological problems of technological development] Era robotov ili era cheloveka? Sotsiologicheskie problemy razvitiia tekhniki. Moskva, Politizdat, 1965. 157 p. (MIRA 18:5)

KHARSHAN, Sh.A.; MILYUKOV, P.I., otv.red.; BLINNIKOV, L.V., red.; ZARKH,
I.M., tekhn.red.

[Long-range forecasting of the flood runoff of mountain rivers
in Siberia] Dolgosrochnye prognozy stoka polovod'ia gornykh rek Sibiri.
Moskva, Gidrometeor. izd-vo, 1958. 76 p. (MIRA 12:2)
(Floods)

GAYGEROV, S.S.; KHRGIAN, A.Kh., red.; BLINNIKOV, I.V., red.; KRIGMAN,
YuV., tekhn.red.

[Some data on aerological investigations of the atmosphere over the
Antarctic] Nekotorye dannye aerologicheskogo issledovaniia atmosfery
Antarktidy. Moskva, Gidrometeoizdat (otd-nie), 1959. 85 p. (TSentrel'-
naia aerologicheskaiia observatoriia. Trudy, no.27). (MIRA 12:4)
(Antarctic regions--Meteorological research)

IVANOVSKIY, Andrey Ivanovich; SHVIDKOVSKIY, Ye.G., doktor fiziko-matemat.,
red.; BLIHNIKOV, L.V., red.; ZARKH, I.M., tekhn.red.

[Theoretical and experimental study of sound-induced currents]
Teoreticheskoe i eksperimental'noe izuchenie potokov, vyzvannykh
zvukom. Pod red. Ye.G.Shvidkovskogo. Moskva, Gidrometeor.izd-vo
(otdelenie), 1959. 113 p. (MIRA 12:12)
(Sound)

KHRABROV, Yuriy Borisovich; KATS, A.L., otv.red.; BLINNIKOV, L.V.,
red.; ZARKH, I.M., tekhn.red.

[Methods for compiling weather forecasts for three to seven
days] Metodika sostavleniia prognozov pogody na 3 — 7 dnei.
Moskva, Gidrometeor. izd-vo, 1959. 181 p. (MIRA 12:7)
(Weather forecasting)

KASHIN, Kensarin Ivanovich; PAGAVA, Serapion Tadayevich; SAGATOVSKIY,
N.V., otv.red.; BLINNIKOV, L.V., red.; ZAREKH, I.M., tekhn.red.

[Study of large monthly air temperature anomalies in the
European part of the U.S.S.R.] Issledovanie znachitel'nykh
mesiachnykh anomalii temperatury vozdukha na Evropeiskoi
territorii SSSR. Moskva, Gidrometeor.izd-vo, 1959. 130 p.
(MIRA 12:8)

(Atmospheric temperature)

KURILOVA, Yu.v.; GAYGEROV, S.S., red.; BLINNIKOV, L.V., red.; ZARKH,
I.M., tekhn.red.

[Some characteristics of jet streams over the territory of the
U.S.S.R.] Nekotorye osobennosti struinykh techenii nad
territoriiei SSSR. Moskva, Gidrometeor.izd-vo (otd-nie), 1960.
67 p. (TSentral'naia aerologicheskaja observatoriia. Trudy,
no,33.) (MIRA 13:3)

(Jet stream)

RESHETOV, Vadim Dmitriyevich; SHMETER, S.M., otv.red.; BLINNIKOV,
L.V., red.; ZARKH, I.M., tekhn.red.

[Ageostrophic deviations of wind and astatic phenomena in the
atmosphere] Otkloneniia vetra ot gradientnogo i iavleniia
nestatichnosti v atmosfere. Moskva, Gidrometeor.izd-vo, 1960.
93 p. (MIRA 13:10)

(Winds)

POGOSYAN, Khoren Petrovich. Prinimali uchastiye: UGAROVA, K.F., mladshiy nauchnyy sotrudnik; SHABEL'NIKOVA, M.V., mladshiy nauchnyy sotrudnik; PAVLOVSKAYA, A.A., mladshiy nauchnyy sotrudnik; PAVLOVA, Ye.N., inzh.; GOLOVUSEKINA, A.N., starshiy tekhnik; MOSYAGINA, Ye.M., starshiy tekhnik; SEMENOVA, A.V., starshiy tekhnik. ZUBYAN, G.D., otv.red.; BLINNIKOV, L.V., red.; YERSHOVA, T.S., tekhn.red.

[Jet streams in the atmosphere] Struinye techeniia v atmosfere.
Moskva, Gidrometeor.isd-vo (otd-nie), 1960. 182 p.
(Jet stream) (MIRA 13:8)

SAPOZHNIKOV, Vasily Ivanovich; SHASTIN, A.P., otv.red.; BLINNIKOV,
L.V., red.; ZARKH, I.M., tekhn.red.

[Forecasting the streamflow of rivers in the Volga Basin by
channel storage and inflow into the drainage network] Prognozy
stoka rek v basseine Volgi po ruslovym zapasam vody i pritoku
v rechnuiu set'. Moskva, Gidrometeor.isd-vo (otd-nie), 1960.
288 p. (MIRA 14:4)

(Volga Valley--Hydrology)

BULAVKO, Arseniy Grigor'yevich; ROMANOV, V.V., kand. tekhn. nauk, red.;
BLINNIKOV, L.V., red.; ZARKH, I.M., tekhn. red.

[Effect of the drainage of swamps on the elements of water balance
in rivers of the White Russian Polesye] Vliianie osusheniia bolot
na elementy vodnogo balansa rek Belurusskogo Poles'ia. Pod red.
V.V.Romanova. Moskva, Gisdrometeor. izd-vo, 1961. 150 p.

(MIRA 14:6)

(Polesye---Rivers)

PED', D.A.; TURKETTI, Z.L.; POGOSYAN, Kh.P., otv. red.; BLINNIKOV, L.V.,
red.; ZARKH, I.M., tekhn. red.

[Distribution of the diurnal range of air temperature variations
in the U.S.S.R.] Raspredelenie sutochnykh amplitud temperatury
vozdukha na territorii SSSR. Moskva, Gidrometeor.izd-vo (otd-nie)
1961. 167 p. (MIRA 15:1)
(Atmospheric temperature)

STOLYPINA, N.V.; BARABASHKINA, A.P., red.; BLINNIKOV, L.V., red.;
ZARKH, I.M., tekhn.red.

[Evolution of baric formations as related to the nature of
day-to-day pressure variations at standard altitudes]
Evolutsiia baricheskikh obrazovani v zavisimosti ot kharaktera
mezhdusutochnykh izmenenii davleniia na standartnykh vysotakh.
Moskva, Gidrometeor, izd-vo (Otdelenie), 1961. 75 p. (Nauchno-
issledovatel'skii institut aeroklimatologii. Trudy, no.13)
(MIRA 14:8)

(Cyclones)

ZUBYAN, Gevorg Davidovich; SAGATOVSKIY, N.V., otv. red.; BLINNIKOV, L.V.,
red.; ZARKH, I.M., tekhn. red.

[Synoptic aerological investigation of the upper troposphere
and the lower stratosphere] Sinoptiko-aerologicheskoe issledo-
vanie verkhnei troposfery i nizhnei stratosfery. Moskva, Gidro-
meteor. izd-vo (otd-nie), 1961. 71 p. (MIRA 14:9)
(Meteorology)

BLINNIKOV, L.V.

"Traveling over the sea bottom" by A.N.Larionova. Reviewed by L.V.
Blinnikov. Meteor.i gidrol. no.6:56-57 Je '61. (MIRA 14:5)
(Ocean bottom) (Larionova, A.N.)

POGOSYAN, Kh.P., nauchnyy red.; KATS, A.L., nauchnyy red.; KHRABROV, Yu.B., nauchnyy red.; USMANOV, R.F., nauchnyy red.; BLINNIKOV, L.V., red.; ZARKH, I.M., tekhn. red.

[Transactions of the First Conference on General Atmospheric Circulation, March 14-18, 1960] Trudy Nauchnoy konferentsii po voprosam obshchey tsirkulyatsii atmosfery. 1st, Moscow. Moskva, Gidrometeoizdat (otdelenie) 1962. 231 p.

(MIRA 16:4)

1. Nauchnaya konferentsiya po voprosam obshchey tsirkulyatsii atmosfery. 1st, Moscow, 1960. 2. Tsentral'nyy institut prognozov, Moskva (for Pogosyan, Kats, Usmanov).
(Atmosphere)

SMIRNOV, Ye.L., dotsent, kand.tekhn.nauk; BLINNIKOV, M.Ye.;
FILIPCHENKO, V.G., aspirant

Taking into account gyrocompass errors in navigation. Sudovozhdenie
no.2:87-93 '62. (MIRA 17:4)

1. Kafedra sudovozhdeniya Leningradskogo vysshego inzhenernogo
morskogo uchilishcha im. admirala Makarova.

SMIRNOV, Ye.L., dotsemt, kand.tekhn.nauk; BLINNIKOV, M.Ye., inzh.;
FILIPCHENKO, V.G., aspirant

Influence of a ship's repeated maneuvers on the gyrocompass.
Sudovozhdenie no.3:53-64 '63. (MIRA 17:5)

1. Kafedra sudovozhdeniya Leningradskogo vysshego inzhener'nogo
morskogo uchilishche imeni admirala Makarova.

SMIRNOV, Yevgeniy Leonidovich; YAKUSHENKOV, Andrey Andreyevich;
BLINNIKOV, Mikhail Yefimovich; FILIPCHENKO, Vladimir
Grigor'yevich; MESHKOV, O.I., red.

[Estimating gyrocompass errors in navigation] Uchet pog-
reshnostei girokompasa v sudovozhdenii. [By] E.L. Smirnov
i dr. Moskva, "Transport," 1964. 66 p. (MIRA 17:7)

ACC NR: AP6034947

(N)

SOURCE CODE: UR/0146/66/009/005/0110/0113.

AUTHOR: Dokuchayev, A. N.; Blinnikov, M. Ye.

ORG: Vladimir Evening Polytechnical Institute. (Vladimirskiy vecherniy politekhnicheskii institut)

TITLE: The effect of an oscillating field on gyrocompass readings

SOURCE: IVUZ. Priborostroyeniye, v. 9, no. 5, 1966, 110-113

TOPIC TAGS: gyrocompass, navigation compass, error function, error correction, marine equipment/MGK gyrocompass

ABSTRACT: The effect of a ship's oscillating field on the precision of marine MGK-gyrocompass reading has been investigated. The single gyroscope compass had a hydraulic pendulum and a gyroscopic means of damping the oscillations of its main axis. The mathematical analysis of the compass operation was based on the use of generalized coordinates of the lifting angle of the main axis' northern end and the azimuthal deflection angle to the east of a sensitive cell. Proceeding from the simplified differential motion equations and neglecting second-order members, an equation for the precision of gyrocompass readings, dependent on the vibration of its point of support, was derived. As demonstrated by a curve showing the vibrational error of a given gyrocompass, the error is significant only within a narrow frequency range which is in the vicinity of the mutation-vibrations of the sensitive

Card 1/2

UDC: 538.74

ACC NR: AP6034947

cell. The absorption rating of the sensitive cell of a gyrocompass is of particular importance for marine gyrocompasses where resonance conditions may be present. Orig. art. has: 2 figures and 9 formulas.

SUB CODE: 17, 13/ SUBM DATE: 13Apr66/ ORIG REF: 003/

Card . 2/2

BLINNIKOV, M., inzh.

Effect of the maneuvering of a vessel on the accuracy of the readings of the "Kurs" gyrocompass at high latitudes. Mcr. flot 24 no.3:18-20 Mr '64. (MIRA 17:6)

1. Kafedra sudovozhdeniya Leningradskogo vysshego inzhenerenogo morskogo uchilishcha im. admirala Makarova.

BLINNIKOV, R.I., gornyy inzh.

Thawing of placers by means of points with a natural head of water. Gor.shur.. no.7:17-20 J1 '60. (MIRA 13:7)

1. Irkutskiy gorno-metallurgicheskii institut.
(Hydraulic mining) (Frozen ground)

BLINNIKOV, Ye.V., aspirant

Kinematic method for determining the curvature radii of
tooth surface sections by the pressure plane. Izv. vys.
ucheb. zav.; mashinostr. no.5:5-8 '65.

(MIRA 18:11)

BLINNIKOV, Ye.V., aspirant

Investigating the effect of errors in the production and assembly
on the performance of rack point pole gearing. Izv. vys. ucheb.
zav.; mashinostr. no.6:58-67 '65. (MIRA 18:8)

BLINNIKOV, Z. G., and PED', D. A.

"Determination of the Components of the Altitudinal Deformational Fields of Natural Synoptic Periods," Meteorol. i gidrologiya, No 10, 1953, pp 33-36

The altitudinal deformational field (ADF) characteristic for a natural synoptic period (NSP) is determined by its components: altitudinal cyclones and anticyclones which exist in the troposphere during the course of the entire NSP. During the disintegration of even one component of the ADF, or with the formation of a new component, a new NSP begins. The authors consider that the altitudinal cyclones and anticyclones traced on the chart AT 500 for the first days (tendency) of the NSP can be components of the ADF period if they correspond to independent thermal foci on the chart from 550/1000 of the same days. The authors investigate whether this condition is sufficient for the data of the altitudinal charts for 127 NSP 1951 and 1952. It turned out that only in 55-70% of all the NSP do the baric formations possessing, in the NSP tendency, independent thermal foci, exist in the course of the entire period. The indicated condition is thus a necessary but no sufficient criterion for the establishment of the components of ADF NSP. The authors found supplementary criteria establishing the relation between duration of existence of baric formations that possess in the tendency of the period independent thermal foci and their intensiveness in comparison with the baric relief surrounding them. (RZhGeol, No. 5, 1954)

SO: Sum No. 568, 6 Jul 55

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
Adaptation of proteolytic enzymes in <i>Aspergillus niger</i>. A. V. Blagoveshchenskii and E. I. Bliznikova. <i>Bull.</i> <i>biol. med. exp. U. R. S. S. R.</i> 1, 194-5 (1930). <i>Physiol.</i> <i>Abstracts</i> 22, 738. <i>Aspergillus niger</i> was cultivated on protein-free and protein-contg. substrates; the proteolytic enzymes are shown to adapt themselves to the substrate. M. W. B.																																																			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

1ST AND 2ND CROSS										3RD AND 4TH CROSS									
PROCESS AND PROPERTY INDEX																			
cd										11A									
The thermostability and regeneration of amylase from <i>Aspergillus niger</i>. S. I. Prosin and E. I. Il'nikova. <i>Arch. sci. biol.</i> (U. S. S. R.) 41, No. 3, 11-14 (in English) 1977 (1978).—In contra-distinction to <i>Aspergillus oryzae</i> (aka-diastase) as established by Gramenitzki (<i>Z. physiol. Chem.</i> 60, 280 (1919)) the amylase extd. from <i>Aspergillus niger</i> does not manifest regeneration after inactivation at 100° and 75° either in the presence or absence of the substrate. On the other hand it shows marked thermostability—heating for 30 min. at 60° has no effect on its activity. W. A. Pestzweig																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION										EXTRACTED FROM									
FROM SYNDICATE										FROM SOURCE									
TANDARD #2										TANDARD #1									
INTENDS WITH ONLY ONE										INTENDS WITH ONLY ONE									
TANDARD #2										TANDARD #1									

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CA 11P The dynamics of variation of the activity of amylase in germinating lentil seeds. S. I. Pronin and E. I. Blinnikova. <i>Bull. biol. med. expl. U. R. S. S. S. 4</i>, 635-6 (1937) (in English).—Lentil seeds at various stages of germination were extd. with H₂O and the enzyme present in the ext. detd. by the degree of sarcharification of 25 cc. of 2% sol. starch in 25 cc. of M/15 phosphate buffer by 10 cc. of enzyme ext. in 2 hrs. at 40°. The proteins were removed, the soln. was clarified by means of alk. CuSO₄ and the sugar detd. in the filtered soln. The activity of amylase reaches a max. on the 30th day of germination and then begins to decrease. The pH optimum for nongerminated seeds and those germinated up to 3 days is 6.25 for max. amylase activity. With further germination the optimum pH is extended to 6.00-6.80. When maltose was used as the substrate, no splitting of the sugar was observed, so it is concluded that maltase is absent. S. A. Karjala																			
15000 SYNOBION 150000 H1P QNV QSE 150000 H1P QNV QSE 150000 H1P QNV QSE																			
15000 SYNOBION 150000 H1P QNV QSE 150000 H1P QNV QSE 150000 H1P QNV QSE																			

CA

PROCESSES AND PROPERTIES INDEX

Mechanism of tyrothricin action. E. I. Minnikova, *Biokhimiya* 10, 151-4(1915). Tyrothricin inhibits not only enzymic dehydrogenation of glucose, but also that of glutamic acid, K₂O₂, lactic acid, fumaric acid, and AcOH. The dehydrogenases and the growth of a particular microbe are inhibited by exactly the same concn. of tyrothricin. H. Prastley.

11C

Dept. Biochem. of Microbes, VIEM, Moscow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

190000 01

190000 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

SHTABOVA, A.I.; BLINNIKOVA, Z.G.

Weather forecasting for the U.S.S.R. in August 1964.

Meteor. i gidrol. no.7:65-68 '64 (MIRA 17:8)

1. TSentral'nyy institut prognozov.

BLONNIKOVA, S.G.; LEB, D.A.

Calculation of the intensity of zonal circulation of the atmosphere
in weather forecasting for a month. Trudy TSIP no.132:48-58 '64.
(MIRA 17:10)

BORISOVA, Ye.I., kand. geograf. nauk; BLINNIKOVA, Z.O.

Weather forecast for the U.S.S.R. in January 1965. Meteor.
i gidrol. no.1:69-72 Ja '65. (MIRA 18:2)

1. TSentral'nyy institut prognozov.

BLINOV, A.

The road uphill. Sov. profsoiuzy 18 no.16:41-44 Ag '62.
(MIRA 15:8)
(Hungary--Socialist competition)

BLINOV, A.

An engineer is the creator of new developments. NFO no.2:16-
17 F '59. (MIRA 12:2)

(Engineers)

BLINOV, A.

We live in a wonderful time. NTO no.11:24-26 N '59.

(MIRA 13:4)

(Research)